

39976835.yMNPGPAPRPPTDRFLNLTPSQNLPGNMANMSLNSPGMGRQQFGGGSSV
32403758.y MAGCNGNIYREFFMPNGPAPRPPTDKRFLGLTPNTNSPQNGNISNLPQGNMSLNSLRSPAPCVTSM
19113776.y MLLS
6324031.y -MSLSAAANKISDNDFQNIGPAPRPPSSNSQGRTCYNQ
6324459.y
AK110076.q -MHQSPFKRSVKAHPHDFHGAQVMPRSADALAEATSRPMPMPSVAH- ADPSSSTTENYLKGVECIGNPDAATFSGLOSSPFDGDLNIVKRSAPAPPNHPSSTAASGSVFAASRQAGPSSTSASPTSTSASTFANGTSSAWAATGASAAPPAAVGPYRPNITINTSQSMQGHRSCLPAQSSLPLFGVGNHPPAASPIGSPV
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19113418.y RPPSANHRTSSSFNVESLRIDAQSLDSKRSASLRLQGE NCNQSPSLARTSVSVEVSNAPATKASDSLVRSHSRTQSANRYPNTQTIPIRNFLSFASSQQTOSPYPSAVATTIVTSSRNKDTSKQYDPLDSCIGSFQDKNLSTDELICAPFD
32405200.y
24647440.f
24647442.f
31241695.i
6321780.y MSNDPSAVSELDPKDSLNDIISNDNERA MGGNGDGGDGLRLPRTGTINVNALQKGKTNAAHEAGGYKSMAPKNAETTNDDDNNVVSLLDPIQFTRVSSSVISGMSSMSPHNSNIDETKSLEAVTPNINTSNTPDHSADNTFSTINASESDHQFNDTLLSILSLTDSTETIENN- ATVKHQQPAV
17537061.w
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17558624.w MKISINISKQS
24642565.f
31201761.i
27370300.m
34858790.m PAK5.h
27676556.m
29336032.m PAK4.h
PAK6.h

210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400

39976835.y YGGSTIELPLSRAASNTDGLGGVAVIKEGWAQVKESENFINPFWKQYLLRKEALDFIKHQEG-SKSS-YILYRKEVINVGRVEAACTIEVKRQSENGTSTSPG EDDGTVTLEIYKVSDDDLYEWIDFIYARCPGMG-GVNPNTFSHAVEVGKDPTGEGFVGLPEWKLINNSH-
32403758.y YGGSTIALPIQRQMSNNNDGTGLAVIKIQGWASVKESENFINPFWKQYLLRKEALDFIKHQEG-SKSS-YILYRKEVINVGRVEAACTIEVKRQSENGTSTSPG EEEINGIRTLCIRVKADDLYEWIDFIYARCPGMG-GVNPNTFSHAVEVGKDPTGEGFVGLPEWKLINNSH-
19113776.y VRGQWVMIPELCKMDKPKWLTQKLVLSNNSLQYKQYKGSK- SEQAQVTLLEKDIQKPSRSRKFCKFLRKFS TKNQYIACQELSVADNMECYWMLLSSRALAS KVSSPANPKHQVYGD-
6324459.y MKGVKKEGWIYSVKGVLQFLWQKRYLVLNDSYLAFKYSDKCNEEFVLSVPLTSIISVNRQIOLKNCNCFEILRATDQKENISPINSYFYE-
AK110076.q ASPYSSNAPCASTSNAAFPPRFVRSNTSG- PDTFTHTVSSVTASQHVAFVMAQRSHSSIGPQQHQMIGSPTNQSSPTDEHAGPESTPSLTTQS- QFVHGTDRERSRDGSATPQGRTFKSVFVGFGVNVGVPDSWAKLJLQTSEITTYDDVNRNSKAV
1f3m_Paka SRQHSSS- IRKLOTNVSD- VRSYD- ER- NQKKSAPEN- FVSSMS- SFLTG- GGSSP- TSSYG- SGSSAERKST- VSSPDPKPVHTEGFTPMCEWQALLKVS-
32405200.y GNAILSRIEATHKLSAAPAPTSTTIAHSNNISPRVAPPFFFFPALSRSNIDSKAARSSKPSKPSKTSINKTMGASSFPRHSAFSSABQLPSEKPSKSESSSSNKRHSGDRLKSGFSGFMNLSVGSPPKKP- LIAQPSVPHVTVGDSNTQGQFTGLPKEWNLRI-
24647440.f -MSFTIWFKK- KGGDGGSIS- EICAPINFQRHFVHSRNQBTGDELCPAPWVRMLN- S-
24647442.f -MSFTIWFKK- KGGDGGSIS- EICAPINFQRHFVHSRNQBTGDELCPAPWVRMLN- S-
31241695.i PETHTIWFKK- EICAPINFQRHFVHSRNQBTGDELCPAPWVRMLN- S-
6321780.y SSTVNSNKSSTDIRRATPVSPVSKPSMTTFPQINSASHSLSPKHKQHKKPKVPSKPEAKSKPVSKPSKNE-
17537061.w LTISYAEKKMNRTPSLRRVKVKK- SEI STPSNFHRVHAGFDARSGTYTGL- KQWQCALLGPP- RSISRKPMDPSCTPFPDVVAELKTVIRG- PSS- BYNSPLP-
17558622.w LTISYAEKKMNRTPSLRRVKVKK- SEI STPSNFHRVHAGFDARSGTYTGL- KQWQCALLGPP- RSISRKPMDPSCTPFPDVVAELKTVIRG- PSS- BYNSPLP-
17558624.w FGMTNSMPMSVARNSLRI-
24642565.f MFSSKKKK- PLISMPSNFHRVHTGFDKRENKYVGLPQWASIVGNQIIKLNSSRPLP- SEI STPSNFHRVHTGFDKRENKYVGLPQWASIVGNQIIKLNSSRPLP- FGMTNSMPMSVARNSLRI-
31201761.i FGSSKKKK- PQISFSPNFHRVHTGFDKRENKYVGLPQWASIVGNQIIKLNSSRPLP- SEI STPSNFHRVHTGFDKRENKYVGLPQWASIVGNQIIKLNSSRPLP- FGPEPA-
27370300.m FGOKKKKK- IEISGSPSNFHRVHTGFDQEQKEFQ- TGLPQWHSLIADT- ANRKPMDPSCTPQIQLAPMKTIVRGKNSCKETSINGLLEDFDNISVTRNSN-
34858790.m FGOKKKKK- IEISGSPSNFHRVHTGFDQEQKEFQ- TGLPQWHSLIADT- ANRKPMDPSCTPQIQLAPMKTIVRGKNSCKETSINGLLEDFDNISVTRNSN-
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PAK6.h MFRKKKKKRPEISAPQNFQHRVHTSFDPKEGKPFVGLPPQWNILD- RRKPVWVDPSPRITRVQLQPMKTVVRGSAMPDVGYISGLLNDIQKLSVISNTLGRSPTRRRAQSLGLLGDHEWATDPMYLO-
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39976835.y FEVLDIFYSDLTKRNDPAQYSSLTPTPPAGAMNKQLGYSTGAN- VAPPFRQMQQQQQPQMRQNTNNYPMNSGGGLPPNASGARGPSPPDQPPQQQRQOMNNSYYINQGDPNRAEERQRAEAAQRQRMIEEEQNRDLEAYNASIPQTQPKIAQOBIIGGGAPSSADRFNPNAAPPAPKPTAQCSNLQAPRAPPAP
32403758.y FEVLDIFYSDFKNGQQAPTIN- FPTTPPENSQSKQLGYPXSGGNSVAPPRTQPLQQ-RN-
19113776.y IQLAQFYD- KQJ- DTTSETKDFCSKETLRLRST- TSYSIRDADKHILKLLTS
6324031.y IQLAQFYD- KQJ- DTTSETKDFCSKETLRLRST- TSYSIRDADKHILKLLTS
6324459.y IQLAQFYD- KQJ- DTTSETKDFCSKETLRLRST- TSYSIRDADKHILKLLTS
AK110076.q MDIVAFYQD- ATK-DGDTDVKKMKGYAKGNQA-
1f3m_Paka LDAMAFYQ- SKYLEEG- AKPPFPRESTEK-
19113418.y LDAMAFYQ- SKYLEEG- AKPPFPRESTEK-
32405200.y VDVLTFYKE- TTKEPKQEDQOLEKFHDARATDFRSPPVTGTAFLVLO-
24647440.f YHAVKYYNY- SIKKK- ENEVFKPFTEDVIHEESKEIEN-
31241695.i YQAVKFY- SIKKK- ENEVFKPFTEDVIHEESKEIEN-
6321780.y MDIVKFYD- VTEINGEDKMFKIFNTTGLPSQPVSTP-
17537061.w GDKNNTT- NKTTVEP-
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17558624.w ATASPVNN- VSSARHSFRPTLPPVSRQYFPNDPSYAPLPLR-
24642565.f -AGTPGPGVGAASSGGFKPPGAHPLS- LYNSQAHANGATGELAVRTDQTNLQQYRNSLAPPSSGGMPPQQQTSQPGVVASGTRSNH- SHTN
31201761.i SHQLGGGS- PFPGMN- NNGCAFPVPA-
27370300. YYPEMPLSKLTDLACFPPVDYTHLDSLRKSKSEYDLDLWYDQARSSSPLDYFQLTPSRTACTSRSCKE- SLAYSESDWGPSLDDYDRRPKSYLHQTSQPMAR- QRSKSGSGLQEPMPMFGASAFKTHPQGHSYNTYRSLSEPTMCIPKVDYDR
34858790.m YYPEMPLSKLTDLACFPPVDYTHLDSLRKSKSEYDLDLWYDQARSSSPLDYFQLTPSRTACTSRSCKE- SLAYSESDWGPSLDDYDRRPKSYLHQTSQPMAR- QRSKSGSGLQEPMPMFGASAFKTHPQGHSYNTYRSLSEPTMCIPKVDYDR
PAK5.h YYSEVKPLKSDPARFSADYHSHLDSLSPKTYWEQYRASSSSPQFTPSRTAGTSRSCKE- SLAYSESEWGPSLDDYDRRPKSYLHQTSQPMAR- QRSKSGSGLQEPMPMFGASAFKTHPQGHSYNTYRSLSEPTMCIPKVDYDR
27676556.m -SEAGSSGGDRRVGP- EKRPKSRSRGPQEVSRDKRPLSDFDVTSPQ- PGSLTSQPMAR- KLAAGRPFN- TYRADT- DHPP
29336032.m -SEAGGGSGDRRVGP- EKRPKSRSRGPQEVSRDKRPLSDFDVTSPQ- PGSLTSQPMAR- KLAAGRPFN- TYRADT- DHPP
PAK4.h -SEAGGGSGDRRVGP- EKRPKSRSRGPQEVSRDKRPLSDFDVTSPQ- PGSLTSQPMAR- KLAAGRPFN- TYRADT- DHPP
PAK6.h GPAEFQGASQRCLQLG- ACLQSSPPGASPTGTINRHGMKAACKHGS- EEARPQSCLVGSATGRPGGEGSPSPKTRRESSLKRLFRSMPLSAPLPLR- PNSSFRP

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